

Xthane QZ-322

Polymeric Diphenylmethane Diisocyanate (PMDI)

Product Description:

Xthane QZ-322 is a polymeric MDI that is used in urethane coatings, adhesives, elastomers, and flexible molded foam applications. As with all polyurethane products, application and field testing are necessary to determine suitability of the selected product or product combination for each specific application.

Typical Properties of QZ-322			
Functionality, f	2.4		
NCO, %	32.0	Viscosity, mPa·s @25°C	66
Specific Gravity	1.24	Flash Point, PMCC	225°C
Appearance @ 25°C	Amber brown liquid		

Storage and Handling:

Containers should be kept tightly closed to prevent moisture contamination. PMDI will react with water to form polyureas and liberate CO² gas potentially causing containers to expand and possibly rupture. Do not reseal if contamination is suspected. Use of a dry nitrogen blanket for partial drums is recommended. Storage temperatures for Xthane QZ-322 should be maintained between 64° and 86°F (18° and 30°C).

Do not breathe aerosol or vapors. Exposure to vapors of heated PMDI can be dangerous. To heat product properly, use well-ventilated convection ovens or other methods such as drum rollers or agitation to distribute heat evenly. Avoid using drum heaters or other heat sources that may cause excessive local heating.

Health and Safety Information:

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling any of the products listed above. Before working with these products, it is your responsibility to read and become familiar with the available information on its hazards, proper use and handling. This is extremely important and cannot be overemphasized. Information is available in several forms, e.g. material safety data sheets and product labels. To obtain this information, contact your ITWC, Inc. representative.